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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/621,056	07/15/2003	Ephi Zehavi	MOBI-020/01US (30175-2064	8813	
45209 INTEL/BLAKI	7590 12/21/2006 ELY	EXAMINER			
	IRE BOULEVARD, SEVE	TRAN, KHANH C			
LOS ANGELES, CA 90025-1030			ART UNIT	PAPER NUMBER	
		2611			
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MO	NTHS	12/21/2006	PAPER		

# Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Applica	ation No.	Applicant(s)	7			
	10/621	,056	ZEHAVI ET AL.					
Off	Examin	ner	Art Unit					
		Khanh <sup>-</sup>	Tran	2611	·			
The M Period for Reply	IAILING DATE of this comm	unication appears on t	the cover sheet	with the correspondence a	ddress			
A SHORTEN WHICHEVER - Extensions of tir after SIX (6) MC - If NO period for - Failure to reply of Any reply receive	ED STATUTORY PERIOD R IS LONGER, FROM THE me may be available under the provision NTHS from the mailing date of this coreply is specified above, the maximum within the set or extended period for red by the Office later than three month term adjustment. See 37 CFR 1.704(b)	MAILING DATE OF ons of 37 CFR 1.136(a). In no our minumication. In statutory period will apply and oply will, by statute, cause the abs after the mailing date of this	THIS COMMUN event, however, may d will expire SIX (6) MG application to become	NICATION. a reply be timely filed  ONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).				
Status								
1)⊠ Respor	nsive to communication(s)	filed on 04 October 20	006		•			
· <u> </u>	etion is <b>FINAL</b> .	2b)⊠ This action is						
3)☐ Since t	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of C	laims	·	·					
4)⊠ Claim(s 4a) Of ti 5)⊠ Claim(s 6)⊠ Claim(s 7)⊠ Claim(s	s) <u>1,2,4-10 and 12-17</u> is/are the above claim(s) is s) <u>8-10 and 12-17</u> is/are allos) <u>1,4 and 5</u> is/are rejected to s) <u>2 and 7</u> is/are objected to rest	s/are withdrawn from o owed. o.	consideration.					
Application Pap								
		the Examiner.						
•	9)  The specification is objected to by the Examiner. 9)  The drawing(s) filed on <u>07/15/2003</u> is/are: a)  accepted or b)  objected to by the Examiner.							
	nt may not request that any ob							
Replace	ement drawing sheet(s) includ	ing the correction is requ	uired if the drawin	ng(s) is objected to. See 37 (	CFR 1.121(d).			
11)⊡ The oat	h or declaration is objected	I to by the Examiner.	Note the attach	ed Office Action or form P	PTO-152.			
Priority under 3	5 U.S.C. § 119							
a) All 1. C 2. C 3. C	ledgment is made of a claim b) Some * c) None of: Certified copies of the prioric Certified copies of the prioric Copies of the copies of the copies of the certified copies pplication from the International Copies detailed Office acceptance.	ty documents have be ty documents have be s of the priority docur tional Bureau (PCT R	een received. een received in ments have bee tule 17.2(a)).	Application No on received in this National	al Stage			
Attachment(s)	Oiled (DTO 000)		٠, ٢, ١	0				
	ences Cited (PTO-892) sperson's Patent Drawing Review	(PTO-948)		v Summary (PTO-413) o(s)/Mail Date				
_	closure Statement(s) (PTO/SB/08			f Informal Patent Application				

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#### **DETAILED ACTION**

1. The Amendment filed on 10/04/2006 has been entered. Claims 1-2, 4-10 and 12-17 are pending.

## Response to Arguments

2. Applicant's arguments, see Applicant's Remarks on page 10, filed on 10/04/2006, with respect to the rejection(s) of claim(s) 1-2, 6-9 and 13-14 under 35 U.S.C. 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Copending Application No. 09/858,494.

#### **Double Patenting**

A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process ... may obtain a patent therefor ..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957); and *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the conflicting claims so they are no longer coextensive in scope. The filing of a terminal disclaimer <u>cannot</u> overcome a double patenting rejection based upon 35 U.S.C. 101.

3. Claims 1 and 4-5 are provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 36-38 of copending Application No. 09/858,494.

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This is a <u>provisional</u> double patenting rejection since the conflicting claims have not in fact been patented.

Claims 1 and 4-5 of the pending Application match words-by-words with claims 36-38 of copending Application No. 09/858,494.

# Allowable Subject Matter

- 4. Claims 2 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
  - 5. Claims 8-10 and 12-14 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 8, claim 8 is allowable over prior art of record because the cited references cannot teach or suggest "the demodulator is adapted to decode the symbols by computing a correlation between a hypothesis comprising possible values of a group of the symbols, including the first and second symbols, and a portion of the sequence of the samples including the first and second samples".

6. Claims 15-16 are allowed.

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The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 15, claim is allowable over prior art of record because the cited references cannot teach or suggest "processing the samples so as to determine decoded values of successive first and second ones of the symbols, wherein processing the samples comprises computing a correlation between a hypothesis comprising possible values of a group of the symbols, including the first and second symbols, and a portion of the sequence of the samples including the first and second samples".

#### 7. Claim 17 is allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 17, claim is allowable over prior art of record because the cited references cannot teach or suggest "wherein the automatic frequency control circuit is adapted to determine reference samples that correspond to encoding of the first and second symbols, and comprises a complex multiplier, which is coupled to take a complex cross product between the reference samples and the first and second samples so as to find the frequency offset".

### Conclusion

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**KCT** 

Khanh Tran Primary Examiner

Khanh congtran 12/19/2006

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